

Product datasheet for **SC317921**

OGFOD1 (NM_018233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OGFOD1 (NM_018233) Human Untagged Clone
Tag:	Tag Free
Symbol:	OGFOD1
Synonyms:	TPA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC317921 representing NM_018233.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATGGGAAGCGGCCAGCGGAGCCCGGCCAGCCGGGTGGGAAAAAGGGAAAGAAGGAGGTGATG
GCGGAGTTTTCGGACGCTGTTACGGAAGAAACCTTGAAAAAGCAGGTGGCTGAGGCCTGGAGCCGAGG
ACGCCGTTTCAGTCACGAAGTCATTGTCTGGACATGGACCCTTTTCTTCACTGTGTGATCCCAAACCTTC
ATCCAAAGCCAAGACTTCTTAGAAGGGCTTCAGAAGGAAGTGAAGTGGACTTCCATGAGAAGTAT
AATGATTTATATAAGTTCAGCAGTCTGATGATTTGAAGAAGAGAAGAGAGCCTCACATCTCCACTTTA
AGGAAAATTCTGTTTGAAGATTTCCGGTCTGGCTTTCTGATATTTCTAAATGACCTGGAATCAACC
ATTGACATGTCTGTGCTAAATATGAATCACTGATGCCCTGCTGTGCCATGATGATGAGCTGGAAGGG
CGCCGATTGCCTTCATCTGTACCTGGTTCCTCCCTGGGACAGGAGCATGGGTGGTACCCTGGACCTG
TACAGCATTGATGAACACTTTCAGCCGAAGCAGATTGTCAAGTCTTATCCCTTCGTGGAACAACTG
GTTTTCTTTGAAGTATCTCTGTGCTTTCACCAGGTGTCTGAAGTGTCTGAAGAAAAGTCACGT
TTGTCTATAAGTGGCTGGTTTCATGGTCCATCATTGACTCGGCCTCCCAACTACTTTGAACCCCCATA
CCTCGGAGCCCTCACATCCCAAGATCATGAGATTTTGTATGATTGGATCAACCCACTTATCTGGAC
ATGGATTACCAAGTTCAAATTCAGAAGAGTTTGAAGAAAGTTCTGAAATTCCTCGAAGGAGTTTCTT
AAGCCTGAGAAATTCACGAAAGTCTGTGAGGCCTTGGAGCATGGACATGTGGAATGGAGCAGCCGAGGT
CCCCCTAACAAAAGGTTTTATGAGAAAGCTGAGGAGAGTAAGCTTCTGAGATATTGAAGGAGTGCATG
AAGTTATTTTCGCTCTGAGGCACTATTCTTGCTGCTCTCCAACCTTCACAGGCCTGAAGCTTCATTTCTTG
GCCCTTCGGAAGAAGATGAGATGAATGATAAAAAAGAGCAGAAACCACTGATATCACTGAAGAAGGG
ACTAGCCATAGTCTCTGAGCCAGAGAATAATCAGATGGCCATCAGCAACAACAGCCACAGAGCAAT
GAGCAGACAGACCCAGAGCCAGAGGAAATGAAACAAAGAAAGAAATCAAGTGTTCCCATGTGCCAAGGG
GAAGTGAAGCATTGGAAGACCGGTCACTACACTTTAATTCATGACCATAGCAAGGCTGAATTTGCCCTA
GACTTAATTCTGTACTGTGGCTGTGAAGGCTGGGAGCCAGAATATGGCGTTTTACTTCTTACATTGCC
AAAGGTGAAGATGAAGAGCTGCTAACAGTGAATCCAGAAAGCAATTTTGGCATTGGTCTACAGAGAC
AGAGAGACTCTGAAATTTGTCAAGCATATTAACCAACGAGCCTGGAACAAAAGAAAACCTTCCCAAC
AGAACAGGTTTCTGGGACTTTTCATTCTCTATTATGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_018233

Insert Size: 1629 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_018233.3</u>
RefSeq Size:	3020 bp
RefSeq ORF:	1629 bp
Locus ID:	55239
UniProt ID:	<u>Q8N543</u>
Cytogenetics:	16q13
MW:	63.2 kDa
Gene Summary:	Prolyl 3-hydroxylase that catalyzes 3-hydroxylation of 'Pro-62' of small ribosomal subunit uS12 (RPS23), thereby regulating protein translation termination efficiency. Involved in stress granule formation.[UniProtKB/Swiss-Prot Function]